

ABSTRACT

5 The present invention provides an Fe-Cr-Al based
stainless steel sheet and double layered sheet having a
high Al content of greater than 6.5%, honeycomb bodies
employing the stainless steel sheet or double layered
sheet, and a process for fabrication of the steel sheet
or double layered sheet. The sheet is a high Al-
containing Fe-Cr-Al based stainless steel sheet or high
10 Al-containing double layered sheet characterized by
comprising, by weight, Cr: 10-30% and Al: >6.5%-15%.
Preferably, the steel sheet further comprises either or
both Ti: 0.02-0.1% and Nb: 0.02-0.3%, and also comprises
La: 0.01-0.1%, Ce: 0.01-0.1% and P: 0.01-0.05%. It also
15 preferably comprises Cu: 0.01-1.0% by weight, and
preferably further comprises Mg: 0.001-0.1% by weight.
There is also provided a honeycomb body fabricated using
the Fe-Cr-Al based stainless steel sheet.